



520.36911CX2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): T. ONO, et al
Serial No.: 09/249,292
Filed: February 12, 1999
For: METHOD AND APPARATUS FOR TREATING SURFACE OF SEMICONDUCTOR
Group: 1763
Examiner: A. Olsen

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AMENDMENT AFTER FINAL ACTION

Commissioner for Patents
Box AF
Washington, D.C. 20231

December 2, 2002

Sir:

The following amendments and remarks are respectfully submitted in connection with the above-identified application in response to the Office Action dated July 31, 2002.

IN THE CLAIMS:

Please amend claim 1 as follows:

1. (twice amended) A method of treating a surface of a sample, comprising the steps of:
- generating a plasma in a treatment chamber;
 - applying an rf bias voltage of a frequency so that ions of intermediate energy which promote etching reaction while providing poor directionality are reduced, and ions of high energy having a high directionality and ions of low energy which do not contribute to etching are increased, so as to have at least one peak point at a region of high ion energy and at least one peak point at a region of low ion energy for